"A new discrete multiplicative random cascade model for downscaling intermittent rainfall fields"
by Marc Schleiss - Referee Report, 2 May 2020

In this paper the new approach to downscale precipitation field, based on equal-volume areas (EVAs) is evaluated.

The subject of the research – spatial modelling of precipitation fields - is a relevant issue for hydrology, meteorology and water management. The author faced with downscaling intermittent rainfall fields, which is nontrivial problem. EVA model is shown as a new complementary tool for modellers to deal with intermittency.The author compered EVA method and "classical" discrete multi-canonical random cascade and described the advantages and weaknesses of both. Moreover, he pointed out the complementarity of this two approaches. His research might open new opportunities for quality control and bias corrections of downscaled fields.

The composition of the paper is valid. The methods are clearly described. The results of EVA method application are worth to be published.